

SECURITY SYSTEM

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FOREWORD



BY APPOINTMENT TO
HER MAJESTY QUEEN ELIZABETH II
MANUFACTURERS OF CARS FOR THE ROYAL WARRANT
JAGUAR CARS LIMITED COVENTRY



BY APPOINTMENT TO
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THE ROYAL WARRANT
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JAGUAR CARS LIMITED COVENTRY



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MANUFACTURERS OF CARS FOR THE ROYAL WARRANT
JAGUAR CARS LIMITED COVENTRY

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The information contained herein applies to a range of vehicles and not to a specific vehicle. For the specification of a particular vehicle, owners should consult their Jaguar Dealer.

INTRODUCTION

Introduction

Security Design Features

The security system has been designed for:

- * Prevention of theft of the vehicle
- * Prevention of theft of items from the vehicle
- * Rapid recovery of the vehicle
- * Personal security

The security system is integrated with the electronics and engine management systems making it far more difficult for a thief to penetrate and prevents engine starting unless the correct ignition key is used.

Standard alarm features cover the perimeter sensing of bonnet, doors and luggage compartment.

Passive arming, the automatic alarm system, can be programmed by a Jaguar Dealer. This ensures that the security system arms itself 30 seconds after the doors, bonnet and luggage compartment are closed following removal of the key from the ignition switch.

Note: Passive arming does not lock the doors.

Vehicle Security

Always remove the ignition key and close and lock the doors when leaving your vehicle unattended, even in your garage or driveway.

At night, try to park in a well lit area as this will discourage intruders and thieves.

Security of Keys and Key-ring Transmitters

It is important to keep your keys and key-ring transmitters in safe places at all times. Leaving them in conspicuous places is an invitation for a thief to steal them and, consequently, your car or belongings. Keep them as secure as you would your wallet or purse, both at home and away. Do not leave the key number tag with the keys, detach the number tag and keep it in a safe place.

For increased security, replacement keys are only obtainable from a Jaguar Dealer who will ask for proof of vehicle ownership before the key can be ordered from Jaguar Cars Ltd. A log of all enquiries for replacement keys is kept by Dealers and notified to Jaguar Cars Ltd.

Note: Legislation requires that the United Kingdom and European markets no longer have the audible sounds when arming and disarming the vehicle.

KEY-RING TRANSMITTER

Key-ring Transmitter

The Security System is controlled remotely by a radio frequency, battery-operated key-ring transmitter. The transmitter uses a random encrypted fixed and rolling code each time the system is used. This provides billions of combinations and ensures that the code cannot be copied.

Each of the two transmitters supplied is designed to be attached to a driver's key-ring.

The key-ring transmitter is activated by pointing it towards the vehicle and pressing one of the four operating buttons.

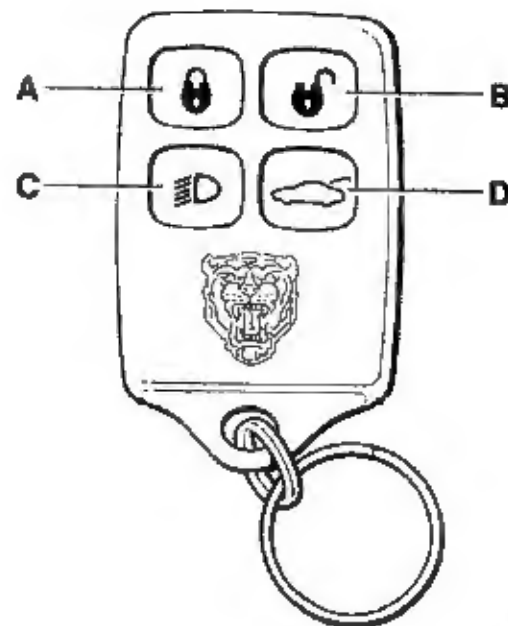
- A. Locks and arms the vehicle.
- B. Unlocks and disarms the vehicle.
- C. One press switches on headlamps for 25 seconds. Three presses starts the Panic Alarm (see page 11).
- D. Releases luggage compartment lock.

Care of Key-ring Transmitters

The key-ring transmitters must be treated with care and not exposed to extremes of heat, dust, humidity or be in contact with fluids. The batteries are the only serviceable part.

Key-ring Transmitter Loss

If a transmitter is lost or stolen it is advisable to contact your Dealer, without delay, to have the remaining transmitter re-programmed to prevent anyone using the lost transmitter. A new key-ring transmitter can be obtained from your Jaguar Dealer, who will ask for proof of vehicle ownership.



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KEY-RING TRANSMITTER

Key-ring Transmitter Battery Renewal

To ensure that the key-ring transmitter operates at its full capacity, use CR 2016 batteries. When the batteries need renewal there will be a significant decrease in the effective range of the key-ring transmitter.

Caution: To avoid disrupting the coding of the key-ring transmitter during battery renewal, the operating buttons must not be pressed. If the code is disrupted, it will be necessary to have your Jaguar Dealer re-programme the key-ring transmitters.

To renew the batteries, insert a slim blade into the gap between the battery cover and the body and prise the covers apart exposing the twin-disc battery cells. Fit two new cells with the side marked with the positive symbol (+) downwards. Refit the battery cover and click into place with thumb pressure.

Key-ring Transmitter Operation

The key-ring transmitter will not operate if the key is in the ignition.

The security system will not arm if the key is in the ignition switch or if any protected entry is open.



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KEY-RING TRANSMITTER

Key-ring Transmitter Operation – Button Functions

Button A (Locks and arms)

First press (if vehicle is unlocked and disarmed): Locks all doors, luggage compartment and sets the alarm system. The direction indicators will flash once whilst locking and arming occurs. For markets other than the United Kingdom and Europe a single sound will also be heard. The red security system warning light in the gear selector panel will start to flash and will continue flashing while the vehicle is armed.

Second press (within three seconds of first press): Deadlocks all doors and sets the alarm system. Once deadlocking is completed one signal will be heard and the direction indicators will give one long flash.

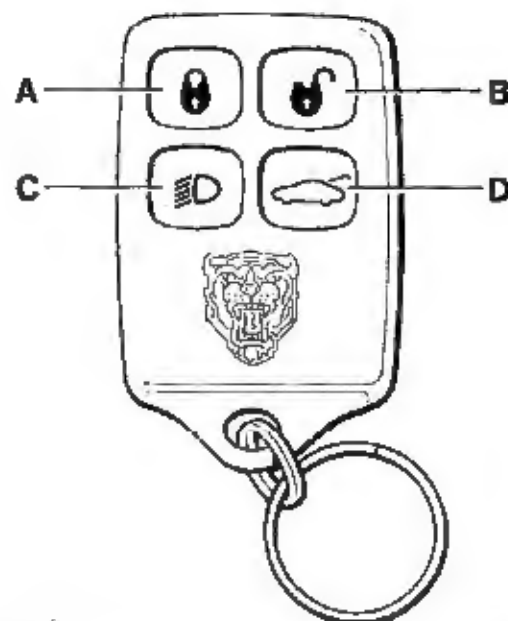


WARNING:

Deadlocking should not be used when persons or animals are inside the vehicle.

Button B (Unlocks and disarms)

One press (if locked and armed): Unlocks all doors and the luggage compartment. Disarms security system alarm and switches on interior lights for two minutes at $\frac{3}{4}$ brightness. It also cancels the luggage compartment valet lock-out, if set. The direction indicators will flash twice and, except for the United Kingdom and Europe, two sounds will be heard as the vehicle is unlocked and disarmed.



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Button C

One press: Switches on headlamps. The headlamps will remain on for 25 seconds, or until the key is inserted in the ignition switch and turned to position 'II', or if the button is pressed again.

Three presses within three seconds: Starts Panic Alarm (where fitted) see page 11.

Button D

One press: Releases luggage compartment lock.

KEY OPERATION

Door locking/unlocking using a key

Locking

Notes:

1. The security system will not arm if a key is in the ignition switch or if a protected entry on the sports car is open. The system will arm the saloon car if any protected entry is open but will not monitor that entry until it is closed. Ensure that the keys and the key-ring transmitter are removed from the vehicle before locking the doors, and that all doors, the luggage compartment and the bonnet are closed.

2. Remove the sports car convertible top cover before closing the top.

To lock and set alarm (perimeter only)

Turn key towards the front of the vehicle and release. The direction indicators will flash once and, except for the United Kingdom and Europe, a sound will be heard.

This will lock all doors, the luggage compartment and set the alarm system.

Hold the key in the 'Lock' position to close all windows (and the saloon sunroof or sports car convertible top, if fitted).

Global Locking

Turn the key towards the front of the vehicle. Hold in this position and the vehicle alarm system will arm, the windows (and saloon sunroof or sports car convertible top, if fitted), will close and the doors and luggage compartment will be locked.

To deadlock, and set the alarm (this includes perimeter, and when fitted, tilt sensing, glass break sensing or intrusion sensing) starting from vehicle unlocked and disarmed.



WARNING:

Deadlocking should not be used when persons, or animals are inside the vehicle.

Note: It will not be possible to deadlock the vehicle under the following conditions.

- If any door is open.
- If a key is in the ignition switch.
- If the inertia switch has tripped.

Turn key towards the rear of the vehicle and then towards the front within three seconds.

This deadlocks all doors, locks the luggage compartment, locks the saloon fuel filler flap and sets the alarm system. Once deadlocking is completed, the direction indicators will flash once and (except for United Kingdom and Europe) an audible signal will be heard. This is then followed by a long flash of the direction indicators and a longer audible signal.

Hold the key in the 'Lock' position to close all windows (and saloon sunroof or sports car convertible top, if fitted).

KEY OPERATION

Unlocking

To unlock and disarm alarm system (United Kingdom and Europe only)

Turn the key towards the rear of the vehicle and release. This unlocks all doors (and the saloon fuel filler flap) and turns on the interior lights for two minutes at $\frac{3}{4}$ brightness. The direction indicators give two flashes as unlocking takes place.

When the vehicle is unlocked in this manner, a ticking sound will be heard when a door is opened. This is a warning to indicate that the vehicle alarm will activate after seven seconds if the security system is not disarmed with either the key-ring transmitter or by switching the ignition key to position 'II'.

Note: Unlocking with the key does not disarm the security system, this provides extra protection against thieves.

With the vehicle disarmed, hold the key in the 'Unlock' position to open all windows and the sports car convertible top, if fitted. This will not open the saloon sunroof, if fitted.

To unlock and disarm alarm system (All markets except United Kingdom and Europe)

Turn key towards the rear of the vehicle and release.

This unlocks all doors, luggage compartment, saloon fuel filler flap, disarms the alarm system (if fitted), and turns on the interior lights for two minutes at $\frac{3}{4}$ brightness. At the same time, the direction indicators will flash twice and two signals will be heard.

Hold the key in the 'Unlock' position to open all windows (and sports car convertible top), if the vehicle is fitted with an alarm system, opening is only possible with the vehicle disarmed.

Global Unlocking with Vehicle Armed

First disarm the vehicle with either the key or the transmitter. Put the key into the door lock and hold in the unlock position to open all windows (and the sports car convertible top, if fitted; the saloon sunroof, if fitted will not be opened).

Global Unlocking with Vehicle Disarmed

Turn the key to unlock the vehicle and hold in this position to open the windows and the sports car convertible top, if fitted, (the saloon sunroof, if fitted, will not be opened).

ALARMS AND AUDIBLE SIGNALS

Alarms and Audible Signals

Note: In certain markets, legislation prohibits the use of alarms and audible signals. In such cases, the sound source has been removed from the system.

Full Alarm

Once armed, any of the following circumstances will create a full alarm state:

- Opening a door with a key (for the United Kingdom and Europe only, a ticking will be heard and the alarm will be delayed for seven seconds).
- Opening the luggage compartment with the key but with a seven seconds delay (except United Kingdom and Europe when the alarm sounds immediately).
- Opening the bonnet.
- Breaking any window or windscreen (if glass break sensing is fitted, sports car only).
- Entering the passenger area through a broken window (if intrusion sensors are fitted, saloon car only).
- If an invalid key is inserted into the ignition switch and turned to position 'I' or 'II'.
- Lifting or tilting the vehicle, for example, an unauthorised towing away attempt (if a tilt sensor is fitted).
- Pressing headlamp button on key-ring transmitter three times within three seconds produces the Panic Alarm (if fitted).

Error Tone

The sounder gives a short, high-pitched tone whenever one of the following conditions is present:

- If any door is open when an attempt to 'arm' the security system is made.
- The luggage compartment or the bonnet is not properly closed when an attempt to 'arm' the security system is made.
- If a key is in the ignition switch when a transmitter button is pressed.
- If there is an electrical failure within the:
 - sports car glass break sensing system, if fitted, or
 - the saloon car intrusion sensing or tilt sensing systems, if fitted.and an attempt to 'disarm' the security system is made.

Audible Signals

An audible signal will sound when:

- The vehicle is deadlocked.
- The 'Valet' switch is pressed with the luggage compartment closed or when in Valet mode and the interior luggage compartment release button is pressed.
- A door is opened if the vehicle has been actively armed (United Kingdom and Europe only).
This mode can be cancelled by disarming the security system using the key-ring transmitter or by switching the ignition to position 'I'.

SECURITY SYSTEM FEATURES

Drive-away Door Locking

This feature is an additional occupant safeguard which locks all the doors and luggage compartment if they are unlocked when the gear selector is moved out of the 'P' or 'N' position. For this feature to operate, the ignition switch must be in position 'II', and all doors and the luggage compartment lid closed.

Interior Door Locking

Sports Car To lock the doors from within the vehicle, press the door release lever.

Saloon Car To lock the doors from within the vehicle, with all doors closed, press any door sill button or the central door locking switch.

Fuel Filler Flap

Sports car The fuel filler flap is operated by the fuel filler release switch. The switch will operate when the security system is disarmed and the vehicle is either unlocked or the key is in the ignition switch. The switch will not operate if the engine is running.

Saloon car The fuel filler flap is locked and unlocked in conjunction with locking or unlocking the vehicle only when using a key or a key-ring transmitter.

Valet Key Locking

Before locking the vehicle and handing the green headed 'valet' key to a parking attendant, press the valet switch to inhibit the luggage compartment interior release switch (and saloon external release button). The vehicle can then be parked by an attendant who can lock the vehicle after parking, but cannot open the luggage compartment. The luggage compartment can then only be unlocked with the black headed key or the key-ring transmitter.

Central Locking Switch (Saloon car only)

With the ignition switch in either position 'I' or 'II' and all doors, the luggage compartment and bonnet closed, press the central locking switch to lock the doors and the luggage compartment, if they are unlocked.

Continue to hold the switch for three seconds to close any windows and the sunroof.

A further press on the central locking switch after three seconds will unlock the doors and luggage compartment.

SECURITY SYSTEM FEATURES

Panic Alarm (Dealer option)

When in or near the vehicle, the alarm can be set off to deter a would-be offender. This feature will also unlock the doors. For this feature to operate, the key must not be in the ignition switch.

Pressing the headlamp button on the key-ring transmitter three times within three seconds will activate the 'Panic Alarm'.

The Panic Alarm will sound for the normal full alarm period. The alarm is stopped by turning the ignition key to position 'I' or 'II'.

The key-ring transmitter cannot be used to cancel the Panic Alarm, this prevents unauthorised use.

Remote Headlamp Convenience

By pressing the key-ring transmitter button with the dipped headlamp symbol, the headlamps will come on for 25 seconds, unless the headlamp button is pressed again, or if the key is inserted in the ignition switch and turned to position 'I'.

Passive Arming (Dealer option)

Passive arming will not lock the doors, it only arms the security alarm system.

Passive arming, if preset by a Jaguar Dealer, will automatically arm the vehicle alarm system 30 seconds after the last protected entry (door, luggage compartment or bonnet) is closed following the key being removed from the ignition switch.

When passive arming occurs the direction indicators will flash once and, except for the United Kingdom and Europe, a single tone will be heard. The red security light on the gear selector surround will start to flash and will continue for as long as the vehicle is armed.

Opening a protected entry causes a warning sound which continues for fifteen seconds before the vehicle goes into the full alarm state.

If the system has been armed passively it can be disarmed by either the key-ring transmitter or by switching the ignition to position 'I'.

Note: The security system will not passively arm if a key is in the ignition switch or if any protected entry is open.

SECURITY SYSTEM FEATURES

Perimeter Sensing

Perimeter sensing is put into operation every time the vehicle is armed. This feature sounds the alarm if any unauthorised opening of doors or luggage compartment or bonnet occurs.

Glass Break Sensing (Sports car only, if fitted)

A sensor, programmed to activate when glass is broken, is activated every time the vehicle is armed. If an attempted intrusion into the vehicle by glass breaking takes place the alarm will sound.

Intrusion Sensing (Saloon car only, if fitted)

Every time the vehicle is armed and deadlocked, the alarm will sound if intrusion into the passenger area occurs.

Battery Tampering Alarm and Restart Procedure

This feature prevents the security system being by-passed by battery disconnection.

If the battery is disconnected when the security system is either armed, disarmed or in the full alarm state, the security system will automatically resume the vehicle state before disconnection when the battery is reconnected.

Tilt Sensing Protection (if fitted)

This feature protects against unauthorised towing away or jacking up. As soon as an attempt is made to tilt the vehicle, to tow away or jack the vehicle up, if the system is 'armed' the security system will enter the full alarm state.

Note: If the tilt sensor operates the alarm when the sports car is being transported by road, rail or sea, do not unlock the car, the alarm will sound for a limited time only.

Saloon car only: To switch off the tilt sensing protection feature in the saloon car, turn the ignition key to the '0' position then press the central locking switch. The security light in the gear selector lever surround will flash to confirm that the tilt sensing is off. Alternatively, locking and arming, not deadlocking, the vehicle will disable the tilt/intrusion sensing for one armed cycle.

This procedure may be necessary when the saloon car is being transported by road, rail or sea.

The tilt sensing will return to normal when the security system is disarmed and subsequently armed.

Note: When tilt sensing is switched off the intrusion sensing feature is also off (saloon car only).

SECURITY SYSTEM FEATURES

Battery Back-up Sounder

On certain markets a separate battery back-up sounder is fitted. This device will sound an alarm if the vehicle battery or the sounder is disconnected when the security system is armed.

Caution: Do not disconnect the vehicle battery or sounder if the security system is armed as this will cause the alarm to sound. To switch off the alarm – reconnect the vehicle battery or sounder and disarm the security system in the usual manner.

Engine Immobilisation

For some markets, the ignition key has an engine immobilising device in the plastic head. Engine immobilisation occurs automatically when the ignition key is turned to position '0'.

Caution: Should the ignition key be lost, a new key can be obtained and programmed to the vehicle by a Jaguar Dealer who will ask for proof of vehicle ownership.

It is advisable to notify a Dealer as soon as a key is lost or stolen and have the remaining key(s) reprogrammed. This will then prevent the lost or stolen key from being used to start the engine.

RADIO FREQUENCY APPROVAL

Radio Frequency Approval

This applies only to the following countries:

B – Belgium
 CH – Switzerland
 E – Spain
 GB – Great Britain
 GR – Greece
 H – Hungary
 IRL – Ireland
 N – Norway
 P – Portugal
 PL – Poland
 S – Sweden
 SF – Finland

LPD – Low Power Device

RXREJ		TXREJ
(SF) LPD FI96080042	(GR) LPD	(H) LPD
(N) LPD NO96000255-R	(PL)	(P) LPD ICP-029TC-96
(S) LPD Ue 960159	(GB) LPD MPT 1340 W.T. LICENCE EXEMPT	(B) LPD RTT/D/X1264
(CH) LPD BAKOM 96.0384.K.P.	(E) LPD	(IRL) LPD TRA24/5/73/3
	(E) CEPT LPD	

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RADIO FREQUENCY APPROVAL

Radio Frequency Approval (continued)

This applies only to the following countries:

D – Germany
 DK – Denmark
 F – France
 I – Italy
 L – Luxemburg
 NL – Netherlands

LPD – Low Power Device

RXREJ		TXREJ
<p>(L) LPD</p> <p>L2432/ 10094-01G</p>	<p>(NL) LPD</p> <p>rcd.  NL</p> <p>HOTP / RDR / 340021</p>	<p>(I) LPD</p> <p>DG PGF/4/2/ 03/338547/ FO/0001961</p>
<p>(D) RXREJ</p> <p> B G127 Z T 272H LPD-D</p>	<p>(D) TXREJ</p> <p> B G127 Z T 273H CEPT LPD-D</p>	
<p>AGRÉE</p>	<p>agr 98 0257 PPLD date 21 06 1996 pres Jaguar Cars</p> <p>Connectable au réseau public français</p>	<p>(DK) LPD</p> <p>Tilladelsesnummer ALR 9639 Telestyrelsen</p>

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